



Hallcroft Infant & Nursery School



Science Lesson Sequence

Summer 1 - Year 1

Plants

What we already know, remember and can do:

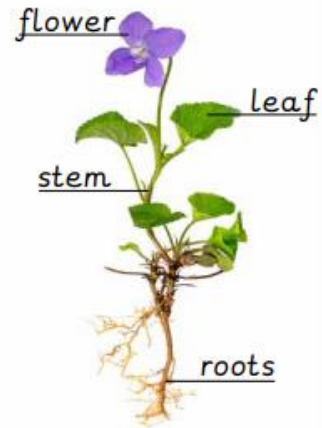
- Name the four seasons in order and describe the typical weather in each.
- Name some activities and events in the four seasons.
- Describe the appearance of a tree's leaves in each season.

	Learning Objective	What children will know and remember (Substantive)	What children will be able to do (Disciplinary)	Revisited Vocabulary	New Vocabulary
1	Learning Objective Knowledge – To identify plants in the school grounds Working scientifically - To plan an investigation	✓ I can identify plants and their features.	✓ I can ask questions about plants. ✓ I can help decide how to set up an investigation.	flower petal leaf	data feature growth investigation root stem
2	Learning Objective Knowledge – To identify parts of a flowering plant Working scientifically - To draw and label a diagram	✓ I can recall the parts of a flowering plant.	✓ I can use a magnifying glass to observe closely. ✓ I can draw and label a diagram of a flowering plant.	feature flower growth leaf petal root stem	diagram observe plant roots shoot stem

3	Learning Objective Knowledge – To identify and name wild and garden plants. Working scientifically – To sort flowers into groups.	✓ I can identify and name some wild and garden plants.	✓ I can use pictures to help me to identify and name some wild and garden plants. ✓ I can choose a way to sort flowers into groups ✓ I can use a magnifying glass to observe closely	diagram observe plant roots shoot stem	feature flower garden plants grouping identification leaf observe plant roots stem wild plants
4	Learning Objective Knowledge – To identify and name deciduous and evergreen trees. Working scientifically – To measure and compare leaves.	✓ I can name some trees and their parts.	✓ I can observe leaves and identify similarities and differences. ✓ I can measure leaves using cubes.	Grouping Identification Observe	blossom branch deciduous evergreen feature leaf measure observe plant trunk
5	Learning Objective Knowledge – To recognise that new plants come from seeds and bulbs. Working scientifically – To recognise that observations do not always match predictions.	✓ I can recall that plants grow seeds or bulbs.	✓ I can recognise when my observations do not match my predictions ✓ I can use similarities and differences to group seeds and bulbs	growth leaf observe seed	bulb plant prediction

Outcome	6	Learning Objective Knowledge – To recognise the importance of a scientist’s role. Science in Action – To use observations to find answers to questions.	✓ I can name important discoveries made by scientists.	✓ I can closely observe different plant parts. ✓ I can identify plant parts that are eaten.	feature flower fruit leaf observe plant roots seed stem	edible research

Plant parts



plant	A living thing that stays in one place and makes its own food from sunlight.
roots	The part of a plant that grows underground.
stem	The part of a plant that grows above ground and keeps the plant upright.
leaf	The green parts of a plant that grow from stems or branches.
flower	The colourful part of a plant where seeds are made.

Deciduous trees



Leaves:

- Change colour.
- Fall in winter.
- Are wide and flat.

Wild plants



dandelion



daisy

Garden plants



lily



rose

Deciduous trees



horse chestnut



oak

Evergreen trees



holly



pine

Evergreen trees



Leaves:

- Always green.
- Tough and waxy.
- Are narrow and needle-like.

